

Claims

What is claimed is:

1. A method of electronically publishing information comprising:
  - (a) transforming the information into an MVR document;
  - (b) storing the MVR document on a document server; and
  - (c) sending the MVR document to a recipient.
2. The method of claim 1,
  - (a) wherein receiving information comprises receiving information having a free form layout; and
  - (b) wherein transforming the information into an MVR document comprises transforming the information into an MVR document representing an MVR catalog.
3. The method of claim 2, wherein transforming the information into an MVR document comprises:
  - (a) disassembling the information into distinct items;
  - (b) extracting position, size, and context of the items; and
  - (c) reassembling the captured items to create MVR page layout information.
4. The method of claim 3, wherein

- (a) the disassembling is manual;
- (b) the extracting is manual; and
- (c) the reassembling is manual.

5. The method of claim 1,

- (a) wherein receiving information comprises receiving information having a rule-based layout; and
- (b) wherein transforming the information into an MVR document comprises transforming the information into an MVR document representing an MVR directory.

6. The method of claim 5, wherein transforming the information into an MVR document comprises:

- (a) designating display rules that define the structured presentation of structured content;
- (b) disassembling the information into distinct items;
- (c) extracting the position, size, and context of the items; and
- (d) reassembling the captured items to create MVR page layout information.

7. The method of claim 6, wherein

- (a) the disassembling is systematic;
- (b) the extracting is manual; and
- (c) the reassembling is systematic.

8. The method of claim 1,
- (a) wherein receiving information comprises receiving information having a structured layout; and
  - (b) wherein transforming the information into an MVR document comprises transforming the information into an MVR document representing an MVR guide.
9. The method of claim 8, wherein transforming the information into an MVR document comprises:
- (a) disassembling the information to capture position, size, and context of all items represented in the information; and
  - (b) reassembling the captured items to create MVR page layout information.
10. The method of claim 9, wherein
- (a) the disassembling is systematic;
  - (b) the extracting is systematic; and
  - (c) the reassembling is systematic.

11. A method of electronically publishing information comprising:

- (a) transforming the information into an MVR document;
- (b) storing the MVR document.

12. The method of claim 11, wherein the MVR document is adapted to be displayed,

wherein the displayed MVR document is adapted to have substantially the same look and feel as the information.

13. The method of claim 11,

- (a) wherein the information comprises a representation of a free form layout; and
- (b) wherein transforming the information into an MVR document comprises transforming the information into an MVR document representing an MVR catalog.

14. The method of claim 13, wherein transforming the information into an MVR document comprises:

- (a) identifying an item, the item comprising:
  - (i) a position;
  - (ii) content;
  - (iii) a size; and
  - (iv) a context; and
- (b) assembling the items to create MVR page layout information.

15. The method of claim 14, wherein

- (a) the identifying is manual; and
- (b) the assembling is manual.

16. The method of claim 15, wherein the MVR page layout information is adapted to be displayed having substantially the same look and feel as the information.

17. The method of claim 15, further comprising:

- (a) reading in the information from a data file.

18. The method of claim 17, wherein the data file comprises an MVR format file.

19. The method of claim 17, wherein the data file comprises a PDF format file.

20. The method of claim 17, wherein the data file comprises a desktop publishing format file.

21. The method of claim 15, further comprising:

- (a) designating whether the item will be included in the MVR page layout information.

22. The method of claim 21, wherein the designating is based on whether specific features characterize the item.

23. The method of claim 11,

- (a) wherein the information comprises a representation of a rule-based layout; and
- (b) wherein transforming the information into an MVR document comprises transforming the information into an MVR document representing an MVR directory.

24. The method of claim 23, wherein transforming the information into an MVR document comprises:

- (a) identifying an item, the item comprising:
  - (i) a size; and
  - (ii) content;
- (b) designating display rules that define the structured presentation of structured content, wherein the display rules comprise:
  - (i) a position;
  - (ii) a context; and
- (c) disposing the item based on the display rules to create MVR page layout information.

25. The method of claim 24, further comprising:

- (a) reading in the information from a data file.

(b) inferring display rules based on the information read in from the data file;

26. The method of claim 25, further comprising:

- (a) requesting input representing approval/disapproval of the display rules; and
- (b) if disapproval is returned, then requesting display rules.

27. The method of claim 24, wherein

- (a) the designating is manual;
- (b) the identifying is manual; and
- (c) the assembling is systematic.

28. The method of claim 27, wherein the MVR page layout information is adapted to be displayed having substantially the same look and feel as the information.

29. The method of claim 27, further comprising:

- (a) reading in the information from a data file.

30. The method of claim 29, wherein the data file comprises an MVR format file.

31. The method of claim 29, wherein the data file comprises a PDF format file.

32. The method of claim 29, wherein the data file comprises a desktop publishing format file.

33. The method of claim 29, further comprising:

- (a) reading in display rules from a display rules file; and
- (b) wherein the display rules file is distinct from the data file.

34. The method of claim 27, further comprising:

- (a) designating whether the item will be included in the MVR page layout information.

35. The method of claim 34, wherein the designating is based on whether specific features characterize the item.

36. The method of claim 11,

- (a) wherein the information comprises a representation of a structured layout; and
- (b) wherein transforming the information into an MVR document comprises transforming the information into an MVR document representing an MVR guide.

37. The method of claim 36, wherein transforming the information into an MVR document comprises:

- (a) identifying a plurality of items, each item comprising:
  - (i) content
  - (ii) a size; and
- (b) assembling the items to create MVR page layout information.



38. The method of claim 37, wherein

- (a) the identifying is systematic; and
- (b) the assembling is systematic.

39. The method of claim 38, wherein the MVR page layout information is adapted to be displayed having substantially the same look and feel as the information.

40. The method of claim 38, further comprising:

- (a) designating whether the item will be included in the MVR page layout information.

41. The method of claim 40, wherein the designating is based on whether specific features characterize the item.

42. The method of claim 38, further comprising:

- (a) reading in the information from a data file.

43. The method of claim 42, wherein the data file comprises an MVR format file.

44. The method of claim 42, wherein the data file comprises a PDF format file.

45. The method of claim 42, wherein the data file comprises a desktop publishing format file.
46. The method of claim 11, further comprising:
  - (a) reading in the information from a data file.
47. The method of claim 46, further comprising:
  - (a) inferring relationship and structure rules; and
  - (b) associating the relationship and structure rules with the information for subsequent disposition in the MVR document.
48. The method of claim 46, wherein the data file comprises an MVR format file.
49. The method of claim 46, wherein the data file comprises a PDF format file.
50. The method of claim 46, wherein the data file comprises a desktop publishing format file.

51. A method of displaying electronic information in a display window on a display device, the method comprising:
- (a) providing on page information (ONPI);
  - (b) providing in page additional detail (IPAD);
  - (c) providing an IPAD zone;
  - (d) providing an IPAD zone trigger;
  - (e) assigning an IPAD display to the IPAD zone, wherein the IPAD display comprises the IPAD;
  - (f) displaying the ONPI in the display window;
  - (g) actuating the IPAD zone trigger; and
  - (h) displaying the IPAD display responsively to actuating the first IPAD zone trigger.

52. The method of claim 51, wherein ONPI comprises:

- (a) on page text (ONPT); and
- (b) on page graphics (ONPG).

53. The method of claim 51, wherein IPAD comprises:

- (a) off page text (OFPT); and
- (b) off page graphics (OFPG).

54. The method of claim 51,

- (a) wherein ONPI comprises:

- (i) on page text (ONPT); and
- (ii) on page graphics (ONPG); and
- (b) wherein IPAD comprises:
  - (i) off page text (OFPT); and
  - (ii) off page graphics (OFPG).

55. The method of claim 54, wherein the OFPG comprises a zoomed view of the ONPG displayed in the IPAD zone.

56. The method of claim 54, wherein OFPG comprises a zoomed view of a subsection of the ONPG displayed in the IPAD zone.

57. The method of claim 54, wherein OFPG comprises a zoomed view of information related to the ONPG displayed in the IPAD zone.

58. The method of claim 54, wherein OFPG comprises a zoomed view of information unrelated to the ONPG displayed in the IPAD zone.

59. The method of claim 54, wherein the ONPG maintain a substantially constant size ratio with regard to the display window.

60. The method of claim 54, wherein

- (a) if the IPAD contains information duplicative of information in ONPI, then the duplicative information is stored by reference, wherein total storage requirements are reduced.

61. The method of claim 54, wherein the ONPG comprises a display item.

62. The method of claim 51,

- (a) further comprising:

- (i) providing a cursor;
- (ii) designating a time delay; and

- (b) wherein actuating the IPAD trigger comprises:

- (i) positioning the cursor over the IPAD zone for a period of time at least as lengthy as the time delay.

63. The method of claim 62, wherein the cursor is substantially unmoving while being positioned over the trigger zone for a period of time at least as lengthy as the time delay.

64. The method of claim 62, wherein graphic objects of the ONPI maintain a substantially constant size ratio with regard to the display window.

65. The method of claim 62, wherein the IPAD comprises a zoomed view of the ONPI displayed in the IPAD zone.

66. The method of claim 62, wherein the IPAD comprises a zoomed view of a subsection of the ONPI displayed in the IPAD zone.

67. The method of claim 62, wherein the IPAD comprises a zoomed view of information related to the ONPI displayed in the IPAD zone.

68. The method of claim 62, wherein the IPAD comprises a zoomed view of information unrelated to the ONPI displayed in the IPAD zone.

69. The method of claim 62, wherein

- (a) if the IPAD contains information duplicative of information in ONPI, then the duplicative information is stored by reference, wherein total storage requirements are reduced.

70. The method of claim 62, further comprising:

- (a) locking the IPAD display on, the locking being responsive to left clicking in the IPAD zone while the IPAD display is visible; and
- (b) ceasing to display the IPAD display, responsively to the cursor moving out of the IPAD zone, if the IPAD display is not locked.

71. The method of claim 51,

- (a) further comprising:

- (i) providing a cursor; and
- (b) wherein actuating the IPAD trigger comprises:
  - (i) right clicking when the cursor is over the IPAD zone.

72. The method of claim 71, wherein ONPI comprises:

- (a) on page text (ONPT); and
- (b) on page graphics (ONPG).

73. The method of claim 71, wherein IPAD comprises:

- (a) off page text (OFPT); and
- (b) off page graphics (OFPG).

74. The method of claim 71,

- (a) wherein ONPI comprises:
  - (i) on page text (ONPT); and
  - (ii) on page graphics (ONPG); and
- (b) wherein IPAD comprises:
  - (i) off page text (OFPT); and
  - (ii) off page graphics (OFPG).

75. The method of claim 74, wherein the ONPG comprises a display item.

76. The method of claim 51,

- (a) further comprising:
  - (i) providing optional information (OPPI);
  - (ii) displaying the OPPI in the display window with the ONPI, provided that the display window has capacity to display the OPPI in addition to the ONPI; and
- (b) wherein:
  - (i) if the display window lacks capacity to display the OPPI in addition to the ONPI, then the display IPAD further comprises the OPPI.

77. The method of claim 76, further comprising:

- (a) locking the IPAD display on, the locking being responsive to left clicking in the IPAD zone while the IPAD display is visible; and
- (b) ceasing to display the IPAD display, responsively to the cursor moving out of the IPAD zone, if the IPAD display is not locked.

78. The method of claim 51,

- (a) further comprising:
  - (i) providing optional information (OPPI);
  - (ii) displaying the OPPI in the display window with the ONPI, provided that the display window has capacity to display the OPPI in addition to the ONPI;
- (b) wherein:
  - (i) if the display window lacks capacity to display the OPPI in addition to the ONPI, then the display IPAD further comprises the OPPI; and



(c) wherein the size and shape of the display window is equal to the size and shape of the display device.

79. The method of claim 51, wherein the size and shape of the display window is equal to the size and shape of the display device.

80. The method of claim 51, wherein graphic objects of the ONPI maintain a substantially constant size ratio with regard to the display window.

81. The method of claim 51, wherein the IPAD comprises a zoomed view of the ONPI displayed in the IPAD zone.

82. The method of claim 51, wherein the IPAD comprises a zoomed view of a subsection of the ONPI displayed in the IPAD zone.

83. The method of claim 51, wherein the IPAD comprises a zoomed view of information related to the ONPI displayed in the IPAD zone.

84. The method of claim 51, wherein the IPAD comprises a zoomed view of information unrelated to the ONPI displayed in the IPAD zone.

85. The method of claim 51, wherein

- (a) if the IPAD contains information duplicative of information in ONPI, then the duplicative information is stored by reference, wherein total storage requirements are reduced.

86. The method of claim 51, further comprising:

- (a) locking the IPAD display on, the locking being responsive to left clicking in the IPAD zone while the IPAD display is visible; and
- (b) ceasing to display the IPAD display, responsively to the cursor moving out of the IPAD zone, if the IPAD display is not locked.

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87. A method of displaying electronic information in a display window on a display device, the method comprising:
- (a) providing on page information (ONPI);
  - (b) providing in page additional detail (IPAD), wherein the IPAD comprises related information;
  - (c) providing an IPAD zone;
  - (d) providing an IPAD zone trigger;
  - (e) assigning an IPAD display to the IPAD zone, wherein the IPAD display comprises the IPAD;
  - (f) displaying the ONPI in the display window;
  - (g) actuating the IPAD zone trigger; and
  - (h) displaying the IPAD display responsively to actuating the first IPAD zone trigger.

88. A method of displaying electronic information in a display window on a display device, the method comprising:
- (a) providing on page information (ONPI);
  - (b) providing in page additional detail (IPAD), wherein the IPAD comprises a graphic object;
  - (c) providing an IPAD zone;
  - (d) providing an IPAD zone trigger;
  - (e) assigning an IPAD display to the IPAD zone, wherein the IPAD display comprises the IPAD;
  - (f) displaying the ONPI in the display window;
  - (g) actuating the IPAD zone trigger; and
  - (h) displaying the IPAD display responsively to actuating the first IPAD zone trigger.
89. The method of claim 88, wherein the graphic object comprises a display item.
90. The method of claim 89, wherein the IPAD zone trigger is adapted to be toggled “on” and “off” by right clicking.

91. A method of assembling information in a display window on a display device,
- (a) the method comprising:
    - (i) providing an item comprising a logical object;
    - (ii) disposing the logical object within the item; and
    - (iii) positioning the item in the display window based on page assembly logic and the capacity of the display window;
  - (b) wherein the disposing and positioning fully exploit the capacity of the display window; and
  - (c) wherein the disposing and positioning do not overload the capacity of the display window.
92. The method of claim 91, wherein the logical object maintains a substantially constant size ratio with regard to the item.
93. The method of claim 91, wherein the item maintains a substantially constant size ratio with regard to the display window.
94. The method of claim 91,
- (a) wherein the item has rectangular shape;
  - (b) wherein the item comprises:
    - (i) a graphic object; and
    - (ii) a text object; and

- (c) wherein the item maintains a substantially constant size ratio with regard to the display window.

95. The method of claim 91,

- (a) wherein the item has rectangular shape;
- (b) wherein the item comprises:
  - (i) a graphic object; and
  - (ii) a text object; and
- (c) wherein the graphic object maintains a substantially constant size ratio with regard to the item.

96. The method of claim 91, wherein the logical object is disposed in the item such that the item is characterized by a free form layout.

97. The method of claim 91, wherein the logical object is disposed in the item such that the item is characterized by a rule-based layout.

98. The method of claim 91, wherein the logical object is disposed in the item such that the item is characterized by a structured layout.

99. The method of claim 91, further comprising:

- (a) formatting the item based on the capacity of the display window;

100. The method of claim 91, wherein the item has rectangular shape.
101. The method of claim 91, wherein the item comprises a graphic object.
102. The method of claim 91, wherein the item comprises a text object.
103. The method of claim 91, wherein the item comprises:
  - (a) a graphic object; and
  - (b) a text object.
104. The method of claim 91, wherein the position of logical objects is specified in a scripting screen control language.
105. The method of claim 91, wherein the position of the item is specified in a scripting screen control language.
106. The method of claim 91, wherein the page assembly logic is directed to free form layout.
107. The method of claim 91, wherein the page assembly logic is directed to rule-based layout.

108. The method of claim 91, wherein the page assembly logic is directed to structured layout.

109. The method of claim 91, wherein disposing the logical object comprises:

- (a) designating a designated position for the logical object; and
- (b) positioning the logical object according to the designated position.

110. The method of claim 91,

- (a) wherein the logical object comprises a graphic object;
- (b) wherein disposing the logical object comprises:
  - (i) specifying a top left corner point; and
  - (ii) positioning the logical object according to the top left corner point.

111. The method of claim 110,

- (a) wherein the logical object comprises a graphic object;
- (b) wherein designating a designated position comprises:
  - (i) specifying a top left corner point;
  - (ii) specifying a height; and
  - (iii) specifying a width; and
- (c) wherein the designated position comprises:
  - (i) the top left corner point;
  - (ii) the height; and
  - (iii) the width.



112. The method of claim 110,
- (a) wherein the logical object comprises a text object;
  - (b) wherein designating a designated position comprises:
    - (i) specifying an x-y starting coordinate; and
  - (c) wherein the designated position comprises:
    - (i) the x-y starting coordinate.
113. The method of claim 110,
- (a) wherein the logical object comprises a text object;
  - (b) wherein designating a designated position comprises:
    - (i) specifying an x-y starting coordinate;
    - (ii) specifying a justification; and
    - (iii) specifying a text margin; and
  - (c) wherein the designated position comprises:
    - (i) the x-y starting coordinate;
    - (ii) the justification; and
    - (iii) the text margin.
114. The method of claim 110,
- (a) wherein the logical object comprises a vector drawing;
  - (b) wherein designating a designated position comprises:
    - (i) specifying the positions of a plurality of points;

- (ii) specifying the positions of a plurality of edges, wherein each point comprises an endpoint of at least one of the edges, and wherein each endpoint of each edge comprises one of the points; and
- (c) wherein the designated position comprises:
  - (i) an orientation of the vector drawing corresponding to the positions of the points and the positions of the edges.

115. The method of claim 91, wherein positioning the item in the display window based on page assembly logic and the capacity of the display window comprises:

- (a) positioning the item on a virtual canvas based on page assembly logic and the capacity of the display window; and
- (b) presenting the virtual canvas in the display window.

116. The method of claim 115, wherein the virtual canvas is adapted to be displayed in the display window having substantially the same look and feel as the information.

117. The method of claim 115, wherein the virtual canvas is adapted to be displayed in the display window having substantially the same look and feel as the information.

118. The method of claim 115, wherein the virtual canvas is assembled substantially immediately before being displayed in the display window.

119. The method of claim 115, further comprising:

- (a) formatting the logical object based on the capacity of the display window; and
- (b) presenting the virtual canvas, as a single graphic image, in the display window;

120. The method of claim 115, further comprising:

- (a) presenting the virtual canvas, as a single graphic image, in the display window;

121. The method of claim 115, wherein the virtual canvas is assembled at a time substantially preceding being displayed in the display window.

122. The method of claim 121, wherein the virtual canvas is stored on a memory device.

123. The method of claim 91,

- (a) wherein the item has rectangular shape;
- (b) wherein the item comprises:
  - (i) a graphic object; and
  - (ii) a text object; and
- (c) wherein the position of logical objects is specified in a scripting screen control language.

124. The method of claim 123, wherein the virtual canvas is assembled substantially immediately before being displayed in the display window.

125. The method of claim 123, wherein the virtual canvas is assembled at a time substantially preceding being displayed in the display window.
126. The method of claim 91,
  - (a) wherein the item has rectangular shape; and
  - (b) wherein the item comprises:
    - (i) a graphic object; and
    - (ii) a text object.
127. The method of claim 126, wherein the logical object is disposed in the item such that the item is characterized by a free form layout.
128. The method of claim 126, wherein the logical object is disposed in the item such that the item is characterized by a rule-based layout.
129. The method of claim 126, wherein the logical object is disposed in the item such that the item is characterized by a structured layout.
130. The method of claim 126, wherein the graphic object comprises a display item.
131. The method of claim 126,

- (a) wherein disposing the logical object within the item comprises disposing the logical object within the item based on the other logical objects associated with the same item; and
- (b) wherein positioning the item in the display window based on page assembly logic and capacity of the display window comprises positioning the item in the display window based on:
  - (i) page assembly logic;
  - (ii) capacity of the display window; and
  - (iii) the other items.

132. The method of claim 131, further comprising:

- (a) reading in the information from a data file.

133. The method of claim 132, wherein the data file comprises an MVR format file.

134. The method of claim 132, wherein the data file comprises a PDF format file.

135. The method of claim 132, wherein the data file comprises a desktop publishing format file.

136. A method of displaying electronic information in a display window on a display device, the method comprising:

- (a) providing on page information (ONPI);
- (b) providing in page additional detail (IPAD);
- (c) providing an IPAD zone;
- (d) providing an IPAD zone trigger;
- (e) assigning an IPAD display to the IPAD zone, wherein the IPAD display comprises the IPAD;
- (f) displaying the ONPI in the display window;
- (g) providing an IPAD toggle, wherein the IPAD toggle may be “on” or “off.”
- (h) actuating the IPAD zone trigger; and
- (i) displaying the IPAD display responsively to actuating the first IPAD zone trigger, if the IPAD toggle is “on.”

137. The method of claim 136,

- (a) wherein ONPI comprises:
  - (i) on page text (ONPT); and
  - (ii) on page graphics (ONPG); and
- (b) wherein IPAD comprises:
  - (i) off page text (OFPT); and
  - (ii) off page graphics (OFFPG).

138. The method of claim 136, further comprising:

- (a) locking the IPAD display on, the locking being responsive to left clicking in the IPAD zone while the IPAD display is visible.

139. The method of claim 136, further comprising:

- (a) locking the IPAD display on, the locking being responsive to left clicking in the IPAD zone while the IPAD display is visible; and
- (b) ceasing to display the IPAD display, responsively to the cursor moving out of the IPAD zone, if the IPAD display is not locked.

140. The method of claim 136,

- (a) further comprising:
  - (i) providing a cursor;
  - (ii) designating a time delay; and
- (b) wherein actuating the IPAD trigger comprises:
  - (i) positioning the cursor over the IPAD zone for a period of time at least as lengthy as the time delay.

141. The method of claim 140, further comprising:

- (a) locking the IPAD display on, the locking being responsive to left clicking in the IPAD zone while the IPAD display is visible; and
- (b) ceasing to display the IPAD display, responsively to the cursor moving out of the IPAD zone, if the IPAD display is not locked.

142. The method of claim 140, further comprising:

- (a) setting the IPAD toggle to “off” responsively to right clicking the cursor, if the IPAD toggle is set to “on.”
- (b) setting the IPAD toggle to “on” responsively to right clicking the cursor, if the IPAD toggle is set to “off.”

143. The method of claim 142, further comprising:

- (a) locking the IPAD display on, the locking being responsive to left clicking in the IPAD zone while the IPAD display is visible.

144. The method of claim 142, further comprising:

- (a) locking the IPAD display on, the locking being responsive to left clicking in the IPAD zone while the IPAD display is visible; and
- (b) ceasing to display the IPAD display, responsively to the cursor moving out of the IPAD zone, if the IPAD display is not locked.



145. A method of updating a first data table,
  - (a) wherein the first data table is in MVR format;
  - (b) wherein the first data table is adapted for use with an electronic publishing application;
  - (c) wherein a first row version is associated with a first row of the first data table;
  - (d) wherein the updating occurs based on a second data table in MVR format;
  - (e) wherein a second row version is associated with a second row of the second data table; and
  - (f) wherein the method comprises:
    - (i) comparing the first row version to the second row version; and
    - (ii) if the first row version is older than the second row version, then updating the first row based on the second row.
146. The method of claim 145, wherein the data table is maintained on a server.
147. The method of claim 146, wherein the first data table is communicably coupled to the second data table.
148. The method of claim 146, wherein the first data table is communicably coupled to the second data table via a network.
149. The database system of claim 148, wherein the network comprises the Internet.

	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033	2034	2035	2036	2037	2038	2039	2040	2041	2042	2043	2044	2045	2046	2047	2048	2049	2050	2051	2052	2053	2054	2055	2056	2057	2058	2059	2060	2061	2062	2063	2064	2065	2066	2067	2068	2069	2070	2071	2072	2073	2074	2075	2076	2077	2078	2079	2080	2081	2082	2083	2084	2085	2086	2087	2088	2089	2090	2091	2092	2093	2094	2095	2096	2097	2098	2099	2100	2101	2102	2103	2104	2105	2106	2107	2108	2109	2110	2111	2112	2113	2114	2115	2116	2117	2118	2119	2120	2121	2122	2123	2124	2125	2126	2127	2128	2129	2130	2131	2132	2133	2134	2135	2136	2137	2138	2139	2140	2141	2142	2143	2144	2145	2146	2147	2148	2149	2150	2151	2152	2153	2154	2155	2156	2157	2158	2159	2160	2161	2162	2163	2164	2165	2166	2167	2168	2169	2170	2171	2172	2173	2174	2175	2176	2177	2178	2179	2180	2181	2182	2183	2184	2185	2186	2187	2188	2189	2190	2191	2192	2193	2194	2195	2196	2197	2198	2199	2200	2201	2202	2203	2204	2205	2206	2207	2208	2209	2210	2211	2212	2213	2214	2215	2216	2217	2218	2219	2220	2221	2222	2223	2224	2225	2226	2227	2228	2229	2230	2231	2232	2233	2234	2235	2236	2237	2238	2239	2240	2241	2242	2243	2244	2245	2246	2247	2248	2249	2250	2251	2252	2253	2254	2255	2256	2257	2258	2259	2260	2261	2262	2263	2264	2265	2266	2267	2268	2269	2270	2271	2272	2273	2274	2275	2276	2277	2278	2279	2280	2281	2282	2283	2284	2285	2286	2287	2288	2289	2290	2291	2292	2293	2294	2295	2296	2297	2298	2299	2300	2301	2302	2303	2304	2305	2306	2307	2308	2309	2310	2311	2312	2313	2314	2315	2316	2317	2318	2319	2320	2321	2322	2323	2324	2325	2326	2327	2328	2329	2330	2331	2332	2333	2334	2335	2336	2337	2338	2339	2340	2341	2342	2343	2344	2345	2346	2347	2348	2349	2350	2351	2352	2353	2354	2355	2356	2357	2358	2359	2360	2361	2362	2363	2364	2365	2366	2367	2368	2369	2370	2371	2372	2373	2374	2375	2376	2377	2378	2379	2380	2381	2382	2383	2384	2385	2386	2387	2388	2389	2390	2391	2392	2393	2394	2395	2396	2397	2398	2399	2400	2401	2402	2403	2404	2405	2406	2407	2408	2409	2410	2411	2412	2413	2414	2415	2416	2417	2418	2419	2420	2421	2422	2423	2424	2425	2426	2427	2428	2429	2430	2431	2432	2433	2434	2435	2436	2437	2438	2439	2440	2441	2442	2
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151. A database system adapted for use in electronic publishing,

(a) the database system comprising:

(i) a layout table, wherein the layout table controls disposition of items in the display window;

(ii) an item categorization table,

(1) wherein the item categorization table comprises:

(A) an on page graphic category;

(B) an off page graphic category;

(C) an on page text category;

(D) an off page text category;

(E) an optional text category; and

(F) a related information category; and

(2) wherein the item categorization table is operably coupled to the layout table.

(iii) an additional information table

(1) adapted to be referenced by script references;

(2) wherein the additional information table is operably coupled to the layout table; and

(3) wherein the additional information table is operably coupled to the item categorization table; and

(iv) a report table adapted to control placement of items in the display window for printing.

152. The database system of claim 151, wherein items of each category are compressed separately, whereby degree of compression is typically improved.
153. The database system of claim 151, further comprising a key word table, wherein the key word table is adapted to associate an item and a word, such that a query directed to the word returns identifying information for the item.
154. The database system of claim 153,
- (a) further comprising an overall computing device, the overall computing device comprising:
    - (i) a first computing device; and
    - (ii) a second computing device, wherein the second computing device is communicably coupled to the first computing device;
  - (b) wherein the additional information table is located on the first computing device;
  - (c) wherein the layout table is located on the overall computing device;
  - (d) wherein the item categorization table is located on the overall computing device;
  - (e) wherein the report table is located on the overall computing device; and
  - (f) wherein the key word table is located on the overall computing device.
155. The database system of claim 151,
- (a) further comprising an overall computing device, the overall computing device comprising:

- (i) a first computing device; and
- (ii) a second computing device, wherein the second computing device is
  - communicably coupled to the first computing device;
- (b) wherein the additional information table is located on the first computing device;
- (c) wherein the layout table is located on the overall computing device;
- (d) wherein the item categorization table is located on the overall computing device;
- and
- (e) wherein the report table is located on the overall computing device.

156. The database system of claim 155, wherein the second computing device uses a web browser as a usability gateway to the communicable coupling between the first computing device and the second computing device.

157. A system to provide MVR documents,

- (a) the system comprising:
  - (i) a first computing device; and
  - (ii) a second computing device, wherein the second computing device is communicably coupled to the first computing device;
- (b) wherein the first computing device is adapted to transmit provided data to the second computing device;
- (c) wherein the second computing device is adapted to process information from provided data into MVR format data; and
- (d) wherein the second computing device is adapted to transmit MVR format data to the first computing device.

158. The method of claim 157,

- (a) wherein the first computing device is adapted to create, from MVR format data, a virtual canvas according to the capacity of a particular display device.

159. A method of providing MVR documents,

(a) the method comprising:

(i) transmitting provided data from a first computing device to a second computing device that is communicably coupled to the first computing device; and

(ii) receiving MVR format data by the first computing device from the second computing device; and

(b) wherein the MVR format data is adapted to be utilized in displaying an image

(i) containing content information equivalent to content information in the provided data, the content information being based on the content information in the provided data;

(ii) conforming to display rules based on the provided data, if the provided data is in a rule-based layout; and

(iii) conforming to layout information based on the provided data, if the provided data is in a free form layout.

160. The method of claim 159, wherein the MVR format data is adapted to display an IPAD based on the provided data.

161. An MVR document server,

- (a) the MVR document server comprising:
  - (i) a first computing device, the first computing device being communicably coupled to a network;
- (b) wherein the first computing device is adapted to receive provided data from a second computing device through the network;
- (c) wherein the first computing device is adapted to process information from provided data into an MVR document; and
- (d) wherein the first computing device is adapted to transmit the MVR document to the second computing device through the network.

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162. An MVR document server,

- (a) the MVR document server comprising:
  - (i) a first computing device, the first computing device being communicably coupled to a network;
- (b) wherein the first computing device is adapted to receive provided data from a second computing device through the network;
- (c) wherein the first computing device is adapted to process information from provided data into an MVR document;
- (d) wherein the first computing device is adapted to process an MVR document to be displayable in a display window on a particular display device; and
- (e) wherein the first computing device is adapted to transmit the MVR document to the second computing device through the network.

163. The MVR document server of claim 162, wherein the particular display device is a palm computing device.

164. An MVR document serving system,
  - (a) the MVR document server comprising:
    - (i) a first computing device; and
    - (ii) a second computing device, the second computing device being communicably coupled to the first computing device via a network;
  - (b) wherein the first computing device is adapted to receive provided data from the second computing device;
  - (c) wherein the first computing device is adapted to process information from provided data into an MVR document;
  - (d) wherein the first computing device is adapted to process an MVR document to be displayable a particular display device; and
  - (e) wherein the first computing device is adapted to transmit the MVR document to the second computing device through the network.
165. The MVR document serving system of claim 164,
  - (a) wherein the particular display device is operably coupled to the second computing device.

166. A method of electronic publishing,

(a) the method comprising:

(i) receiving content information formatted for display through a first medium;

(ii) displaying the content information through a second medium comprising a display device;

(b) wherein the displayed content information has substantially the same look and feel as the content information to the extent possible as limited by page assembly logic and capacity of the display device.

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